

Figure 1

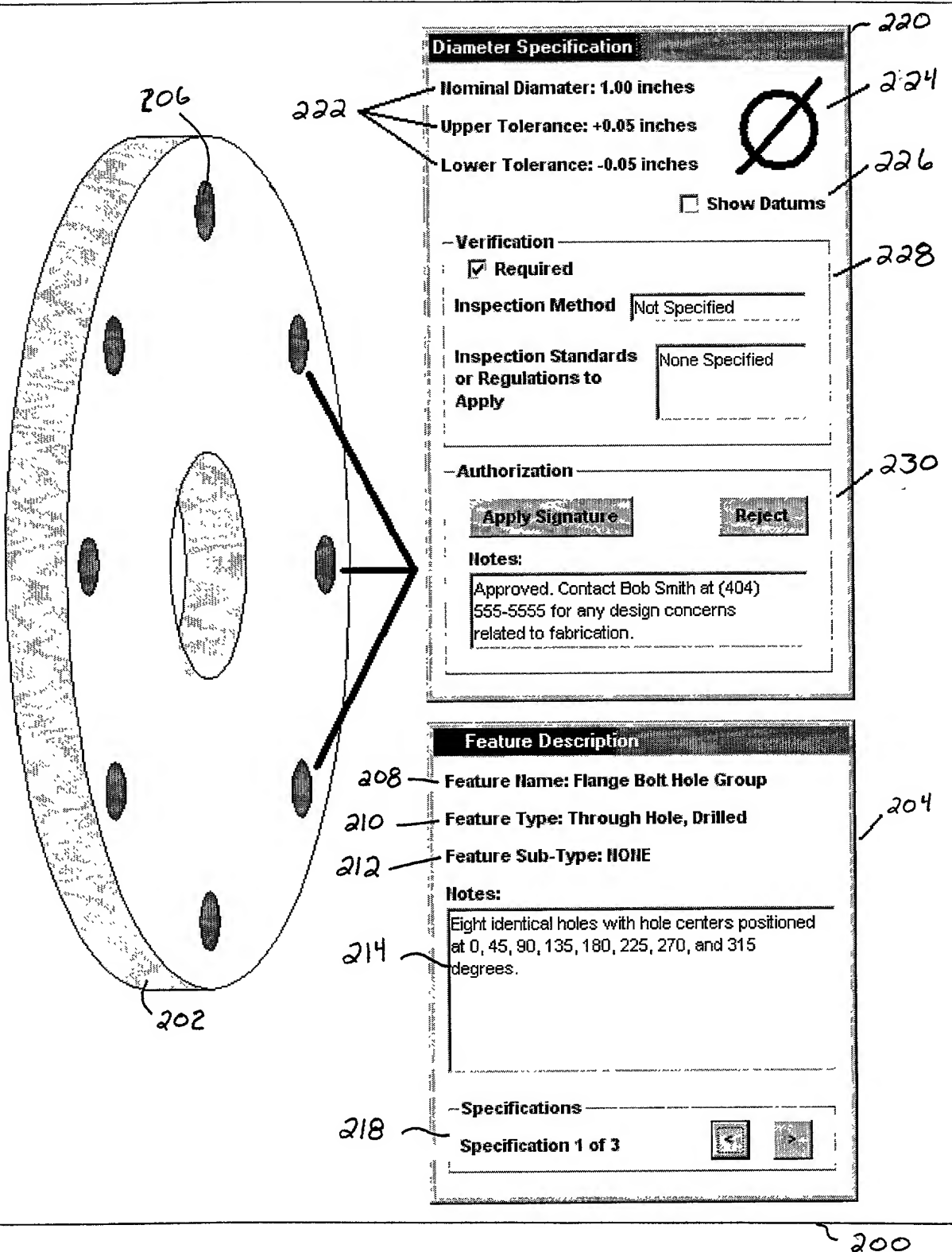


Fig. 2

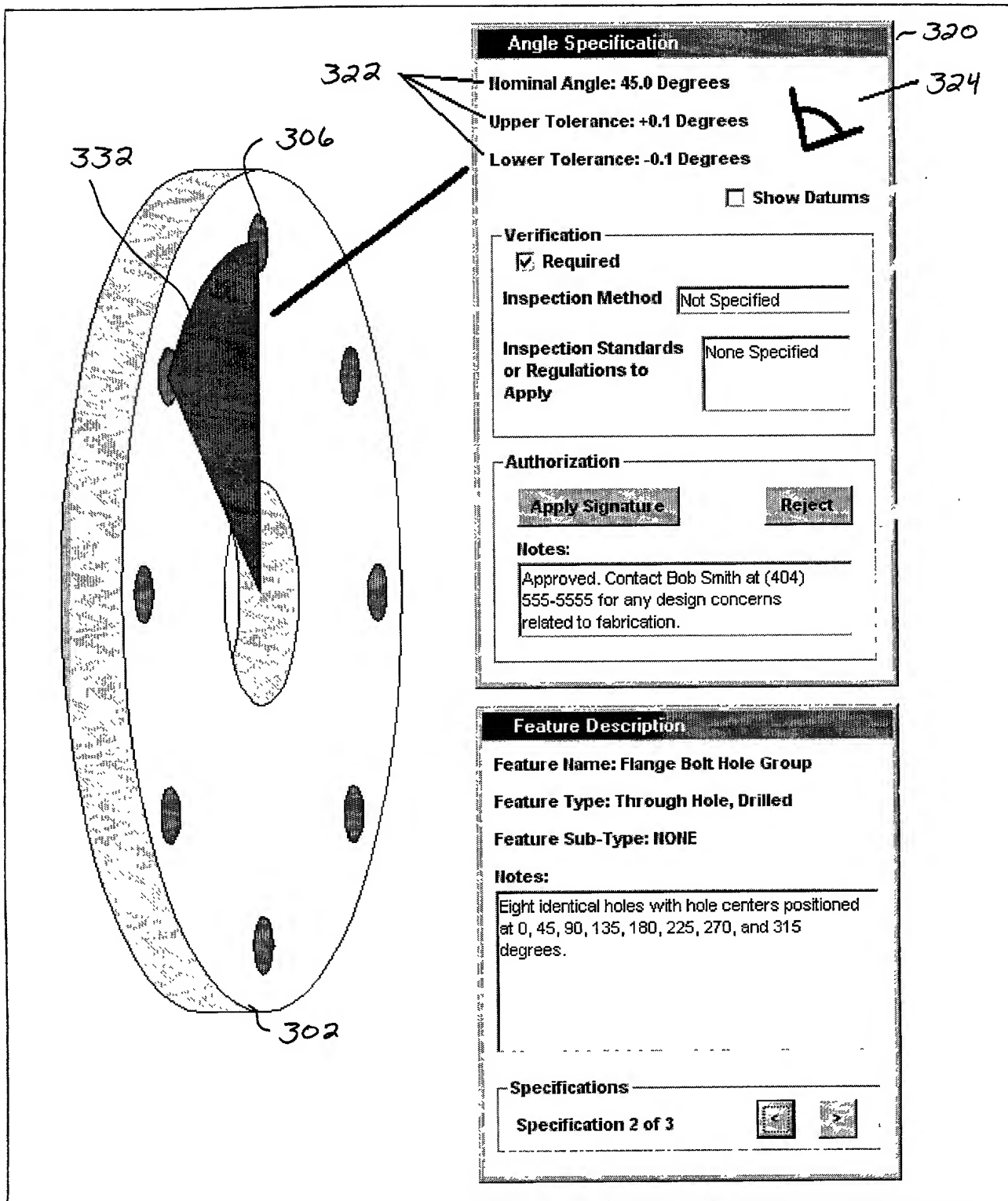
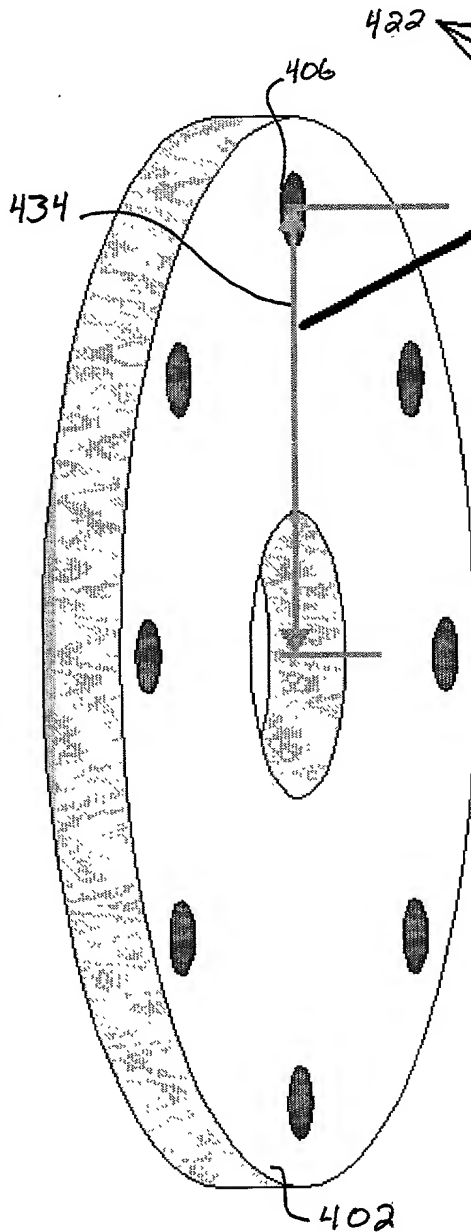


Fig. 3



Linear Measure Specification

Nominal Distance: 10.00 inches
Upper Tolerance: +0.05 inches
Lower Tolerance: -0.05 inches



☐ Show Datums

Verification

☒ Required

Inspection Method Not Specified

Inspection Standards or Regulations to Apply None Specified

Authorization

Apply Signature

Reject

Notes:

Approved. Contact Bob Smith at (404) 555-5555 for any design concerns related to fabrication.

Feature Description

Feature Name: Flange Bolt Hole Group

Feature Type: Through Hole, Drilled

Feature Sub-Type: NONE

Notes:

Eight identical holes with hole centers positioned at 0, 45, 90, 135, 180, 225, 270, and 315 degrees.

Specifications

Specification 3 of 3



Fig. 4

Final Approval

All individual specifications have been approved. By pressing the Apply Signature button, you are acknowledging that this design is ready for fabrication.

Apply Signature

Reject

Notes:

Approved. Contact Bob Smith at (404) 555-5555 for any design concerns related to fabrication.

Fig. 5

100550-1201
T0402T 05E500T

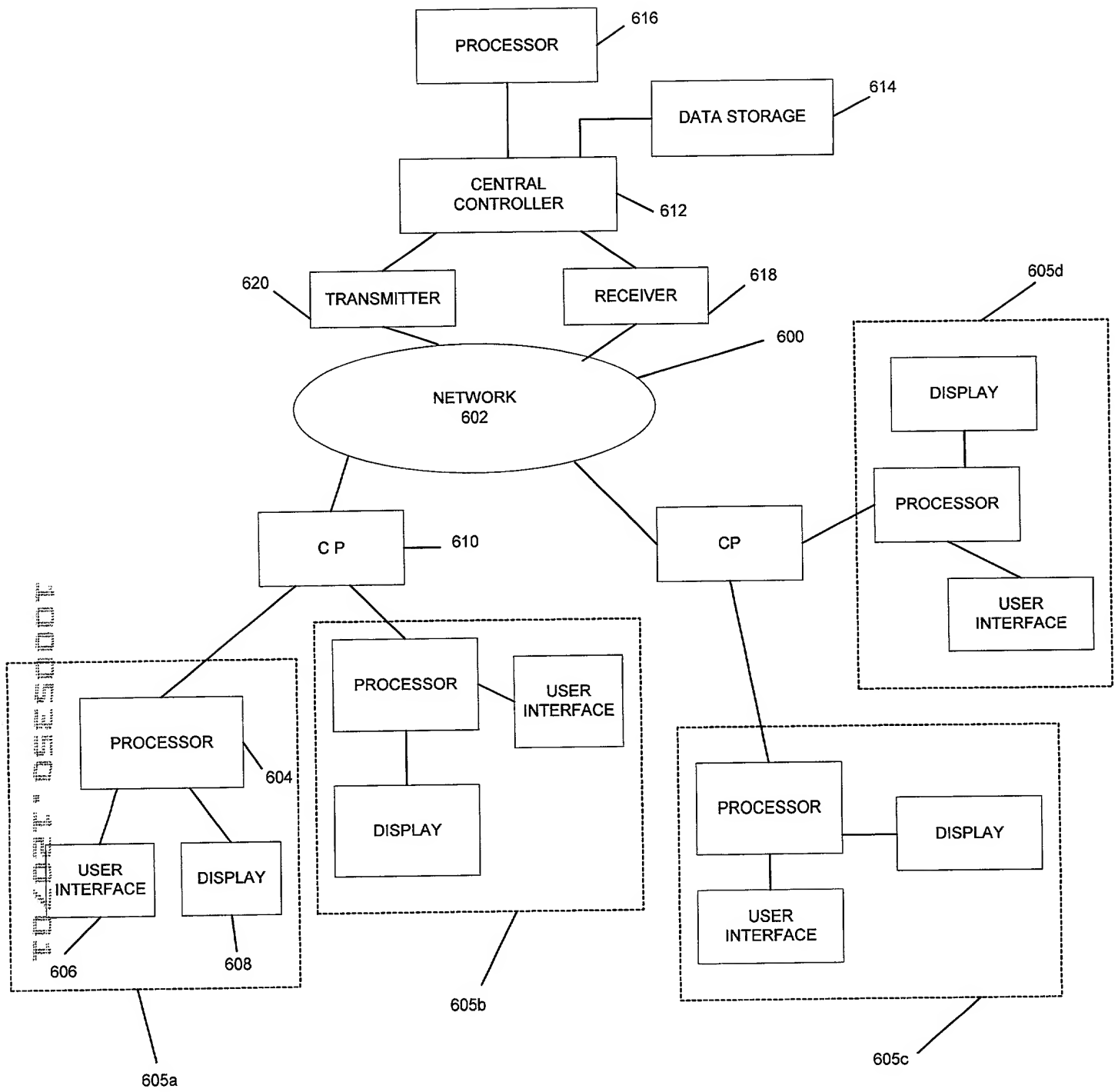


FIG. 6

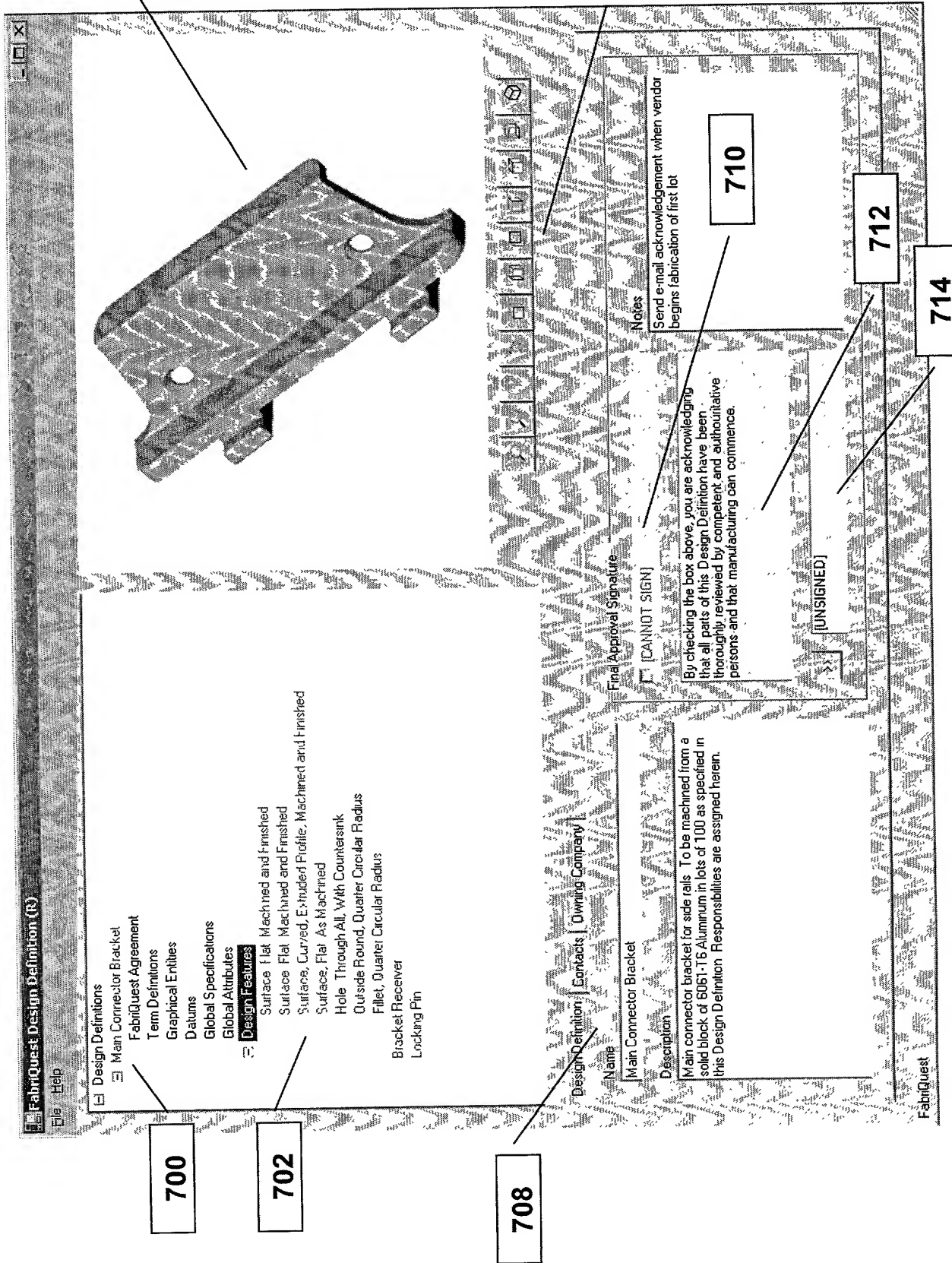


Figure 7

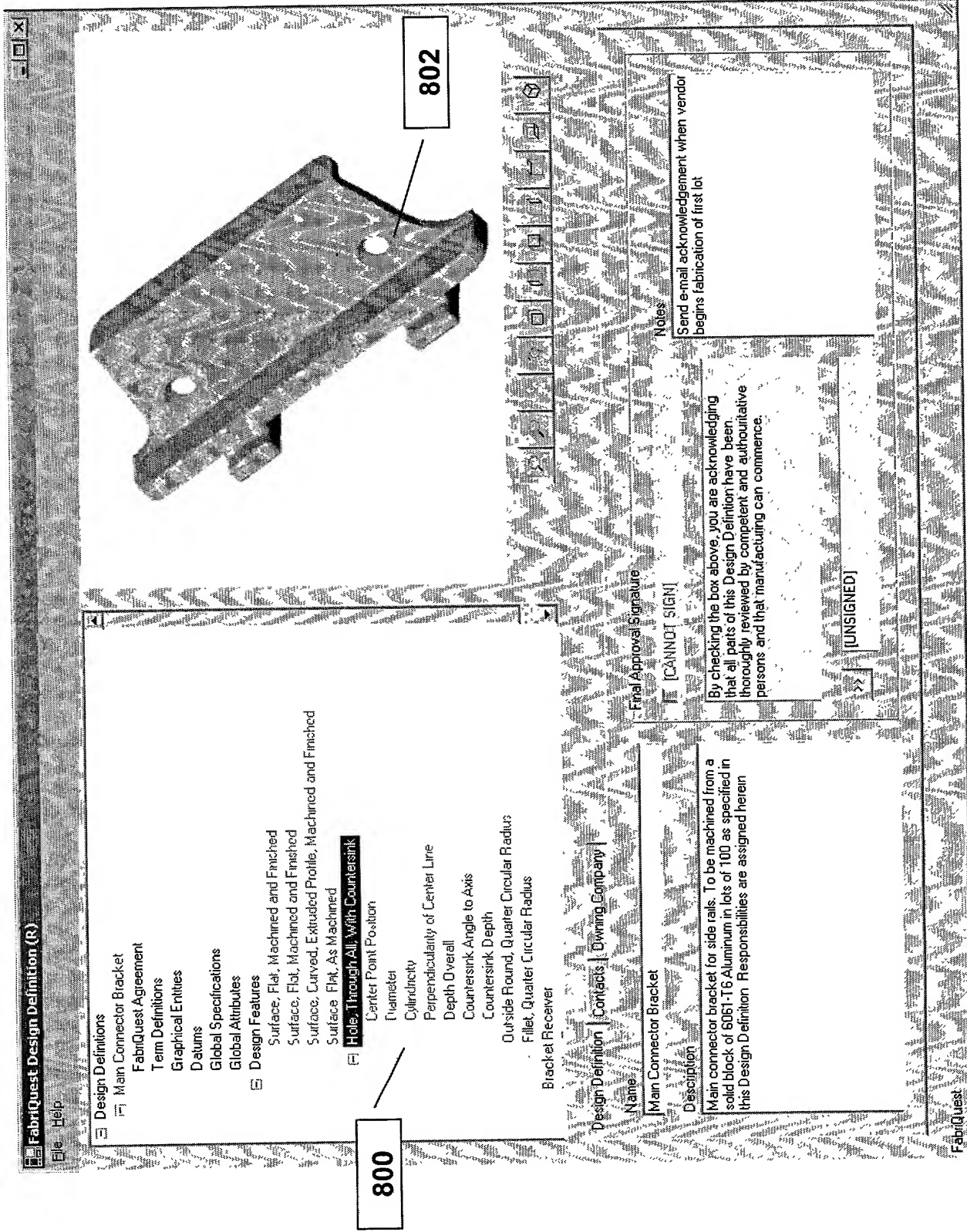


Figure 8

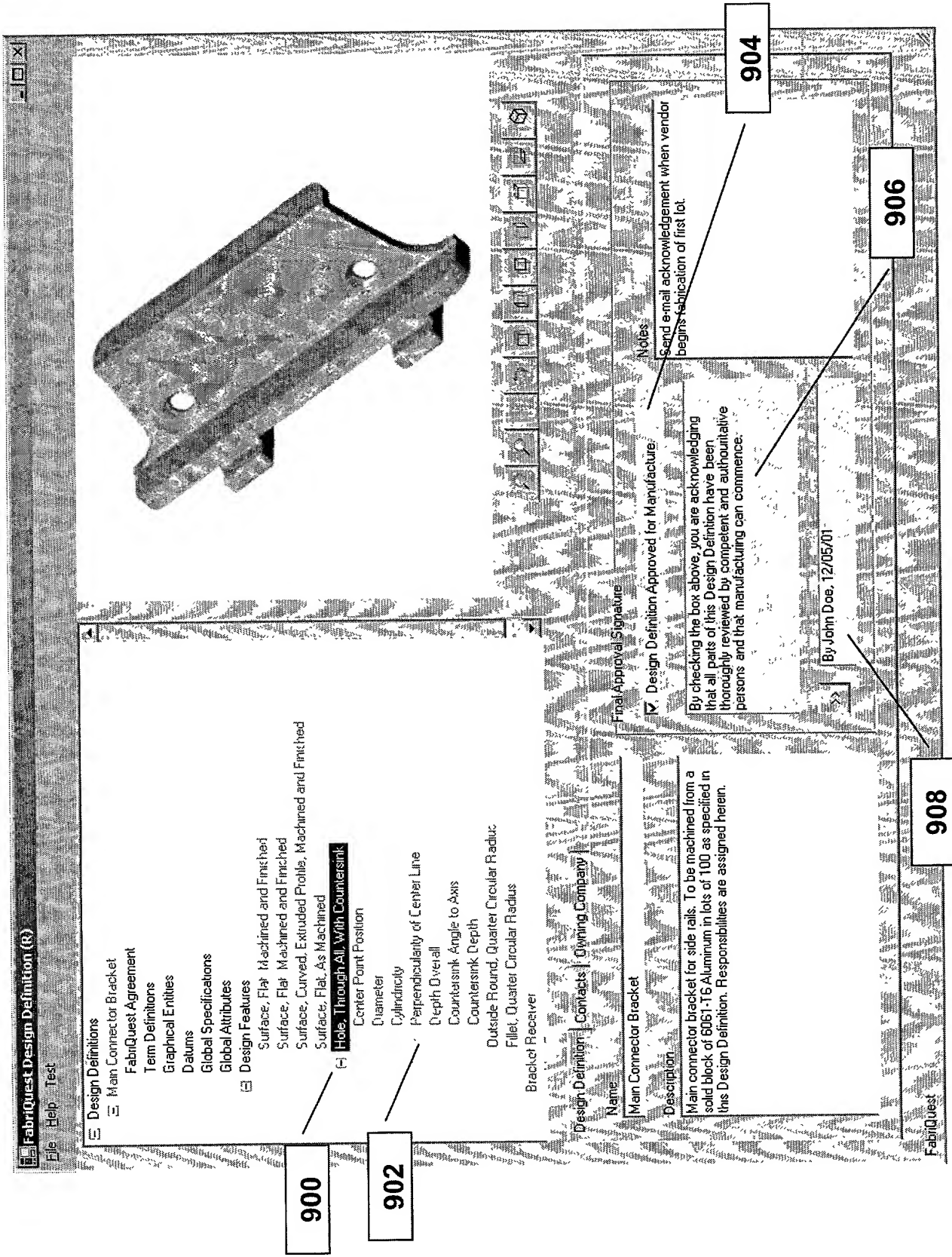


Figure 9

1000

1002

Feature Specification

Instructions: Descriptive Images: Limit Definition

Specification Type: Countersink Angle to Axis

Specification Description: Defines the angle between the conical surface cut as a countersink and centerline axis of the cylindrical hole with which the countersink is associated.

1006

Signature

☐ UNSIGNED (COMPONENTS NOT SIGNED)

By checking the box above, you are acknowledging that this feature specification is described correctly and meets all design quality assurance standards established by the owner of this Design Definition.

1008

[UNDESIGNED]

1004

1010

Responsible Person: Jane Smith

1012

Signed By

[UNDESIGNED]

Robert Jones, 12/01/2001

Robert Jones, 12/03/2001

Sally Thomas, 12/02/2001

[UNDESIGNED]

Sally Thomas, 12/05/2001

Robert Smith, 12/03/2001

Sally Thomas, 12/05/2001

[UNDESIGNED]

Robert Smith, 12/02/2001

Robert Smith, 12/03/2001

Sally Thomas, 12/02/2001

Sally Thomas, 12/05/2001

Robert Smith, 12/01/2001

1000

1002

Feature Specification: Overall Specification

Descriptive Images: Countersink Side View

Descriptive Images: Countersink Top View

Instructions: Pre-Fabrication Set-up

Instructions: Fabrication Method

Instructions: Post-Fabrication Inspection

Instructions/Descriptive Images: [NO IMAGES]

Instructions/Standards: ANSI Standard 0001

Instructions/Standards: ISO Standard 0001

Instructions/Standards: XYZ Engineering, Inc. Company Standard 0001

Limit Definition/Angular Measure: Open Right Conical Feature

Limit Definition/Descriptive Images: Hole Countersink Angular Limits

Limit Definition/Datums: Datum A - Upper Plane Surface

Limit Definition/Datums: Datum D - Hole Centerline

1012

Figure 10

Test Feature Specification - Countersink Angle			
1100	1102	1110	1112
<p>Specification Detail Instructions Descriptive Images Limit Definition</p> <p>Instruction Name: Pre-Fabrication Set-up Fabrication Method: Fabrication Method Post-Fabrication Inspection: Post-Fabrication Inspection</p> <p>Signed By: Sally Thomas, 12/02/2001 (UNSigned) Sally Thomas, 12/05/2001</p>	<p>Instruction Name: Fabrication Method</p> <p>Content: Countersink angle should be formed using common, off-the-shelf tooling without special coatings or other special attributes. Selection of machinery and brand of tooling is left to the manufacturing vendor.</p>	<p>Descriptive Images Standards Regulations</p>	<p>Image Name: [NO IMAGES]</p> <p>Signed By: Robert Smith, 12/03/2001</p>
<p>1104</p>	<p>1106</p>	<p>1114</p>	<p>1116</p>
<p>Instruction Signature: [UNSigned (COMPONENTS NOT SIGNED)]</p> <p>By checking the box above, you are acknowledging that the instruction and all of its components are correctly described as they relate to the selected design feature.</p>	<p>Image Signature: [X] No Images</p> <p>By checking the box to the left, you are acknowledging that there are NO DESCRIPTIVE IMAGES associated with this instruction.</p>		

Figure 11

Application Detail	Instructions	Descriptive Images	Limit Definition
Instruction Name	Signed By		
Pre-Fabrication Set-up	Sally Thomas, 12/02/2001		
Fabrication Method	[UNSIGNED]		
Post-Fabrication Inspection	Sally Thomas, 12/05/2001		
Instruction Name			
Fabrication Method			
Content			
Countersink angle should be formed using common, off-the-shelf tooling without special coatings or other special attributes. Selection of machinery and brand of tooling is left to the manufacturing vendor.			
Instruction Signature			
<input checked="" type="checkbox"/> UNSIGNED (COMPONENTS NOT SIGNED)			
By checking the box above, you are acknowledging that the instruction and all of its components are correctly described as they relate to the selected design feature.			

Standard Title	Signed By
ANSI Standard 0001	Sally Thomas, 12/05/2001
ISO Standard 0001	Sally Thomas, 12/05/2001
XYZ Engineering, Inc. Company Standard 0001	[UNSIGNED]

Standard Title	1204
ISO Standard 0001	

Description	1206
Standard describing how to determine coolant and lubricant flow rates for standard metal cutting applications.	

Publisher	1208
International Standards Organization, Geneva Switzerland	

View Full Text	121
Standards Signature	

Standards Signature	1212
<input checked="" type="checkbox"/> Accept This Standard By checking the box above, you are acknowledging that the standard cited is required and appropriate for guiding the manufacturer in the course of complying with the associated instruction.	

Figure 12

FabriQuest Feature Specification - Countersink Angle to Axis			
Specification Detail	Instructions	Descriptive Images	Limit Definition
Instruction Name Pre-Fabrication Set-up Fabrication Method Post-Fabrication Inspection	Signed By Sally Thomas, 12/02/2001 [UNSIGNED] Sally Thomas, 12/05/2001	Regulation Title [NO REGULATIONS APPLY]	Signed By Robert Smith, 12/02/2001
Instruction Name Fabrication Method Content Countersink angle should be formed using common, off-the-shelf tooling without special coatings or other special attributes. Selection of machinery and brand of tooling is left to the manufacturing vendor.	Regulation [NO REGULATIONS APPLY]	Regulation [NO REGULATIONS APPLY]	Regulation [NO REGULATIONS APPLY]
Instruction Signature [UNSIGNED (COMPONENTS NOT SIGNED)]	Regulation Signature <input checked="" type="checkbox"/> No Regulations	Regulation Signature <input checked="" type="checkbox"/> No Regulations	Regulation Signature <input checked="" type="checkbox"/> No Regulations
By checking the box above, you are acknowledging that the instruction and all of its components are correctly described as they relate to the selected design feature.	By checking the box above, you are acknowledging that there are NO REGULATIONS governing any aspect of the selected instruction.	By checking the box above, you are acknowledging that there are NO REGULATIONS governing any aspect of the selected instruction.	By checking the box above, you are acknowledging that there are NO REGULATIONS governing any aspect of the selected instruction.

Figure 13

1400

FabriQuest Feature Specification - Countersink Angle to Axis

Specification Detail | Instructions

Descriptive Images | Limit Definition

Image Signature

☒ Accept This Image

By checking the box above, you are acknowledging that the image shown properly represents the angular measure specification for the selected design feature in accordance with the quality assurance standards established by the owner of this Design Definition.

Image Name

Countersink Side View

Countersink Top View

Signed By

Robert Jones, 12/01/2001

Robert Jones, 12/03/2001

1406

1408

1402

1404

Figure 14

FabriQuest Inc. 1500

ion: Countersink Angle to Axis

1502

Specification Detail / Instructions

Descriptive Images

Limit Definition

1504

Limit Type

Angular Measure, Open Right Conical Feature

Units of Measure

DEGREES

Lower Limit

44.75

Nominal Value

45.00

Upper Limit

45.25

1506

Notes

[NONE]

1508

1510

1512

1514

Signature

☒ Accept This Limit Definition

By checking the box above you are acknowledging that the definition of the specification value limit is correct and that all descriptive images and datums are properly defined and applied with respect to this limit definition.

By Robert Smith, 12/03/2001

1516

1518

Figure 15

1600

FabriQuest Feature Specification - Countersink

Specification Detail | Instructions | Descriptive Images | Limit Definition

Detail | Descriptive Images | Datum

1602

1604

1606

Image Signature

☒ Accept This Descriptive Image

By checking the box above you are acknowledging that the selected image properly represents the limit definition and the intent of the designer to constrain angular variation.

1608

Image Name: Signed By: Sally Thomas, 12/02/2001
Hole Countersink: Angle Limits

Figure 16

1700

FabriQuest Feature Specification - Countersin

Specification Detail

Instructions

Descriptive Images

Limit Definition

1702

Detail

Descriptive Images

Datums

Datum Name

Datum A - Upper Plane Surface

Datum U - Hole Centerline

Signed By:

Sally Thomas, 12/05/2001

Robert Smith, 12/01/2001

Datum Name

Datum A - Upper Plane Surface

Description

Physical surface comprised of the upper flat portion of the bracket.

1704

Datum Signature

☒ Accept Selected Datum

By checking the box above you are acknowledging that the selected datum is properly applied to this limit definition.

1710

1712

1706

View Datum Image

1708

Display in 3D Window

Figure 17